

PLANTS NEW TO THE UTAH FLORA

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ABSTRACT.— New additions to the Utah flora include *Cryptantha dumetorum* Greene, *C. elata* (Eastwood) Payson, *C. longiflora* (Nels.) Payson (*Boraginaceae*), *Hulsea heterochroma* A. Gray, *Parthenium incanum* H. B. K. (*Compositae*), *Arctostaphylos pringlei* C. C. Parry (*Ericaceae*), *Eremocarpus setigerus* (Hook.) Benth., *Euphorbia micromera* Boiss, *Tragia ramosa* (Euphorbiaceae), *Leptochloa filiformis* (Lam.) Beauv., *Schismus arabicus* Nees. (*Gramineae*), *Epilobium nevadense* Munz (*Onagraceae*), *Lomatium megarrhizum* (A. Nels.) Mathias (*Umbelliferae*), and *Aloysia wrightii* (Gray Heller) *Verbenaceae*.

Collections over the last six years provide the following additions to the Flora of Utah and Nevada (Ivar Tidestrom, 1925) and Common Utah Plants (Welsh, Treshow, and Moore, 1965). Voucher specimens are deposited in the herbaria of Brigham Young University (BRY) and West Texas State University (WTSU).

Boraginaceae

Cryptantha dumetorum Greene, Bush-loving cryptantha. Washington Co.: black stationary sand dunes just southwest of Ivins Reservoir; associated with *Coleogyne* and *Hymenoclea*; 17 May 1971. L. C. Higgins 4130 (BRY, WTSU).

Cryptantha elata (Eastwood) Payson, Tall cryptantha. Grand Co.: near milepost 39 along Utah hwy 128; clay soil; *Atriplex* community; 3 June 1968. L. C. Higgins 1479 (BRY, WTSU). *Atriplex* community; along hwy 124, ca. 3 miles south of U.S. hwy 50-6; on Mancos shale; 2 May 1968. S. L. Welsh 6952 (BRY).

Cryptantha longiflora (Nels.) Payson, Long-flowered cryptantha. Grand Co.: near milepost 32 along Utah hwy 128; sand-loam soil; associated with *Populus* and *Atriplex*; 3 June 1968. L. C. Higgins 1478 (BRY, WTSU). Near Cisco, along U.S. hwy 6-50, clay soil; *Atriplex* community; 3 June 1970. L. C. Higgins 3314 (BRY, WTSU). Morrison formation; along Colorado River, ca. 32.5 miles from Moab along Utah hwy 128; 3 May 1968. S. L. Welsh 6989 (BRY).

Compositae

Hulsea heterochroma A. Gray, Various-colored hulsea. Washington Co.: summit of the Beaverdam Mountains, ca. 3 miles southeast of the television relay tower; limestone soil; pinyon-juniper community; 28 May 1968. L. C. Higgins and N. D. Atwood 1410 (BRY).

Parthenium incanum H.B.K., Mariola. Washington Co.: Beaverdam Mountains, at Castle Cliffs along U.S. hwy 91; rocky, south-

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facing limestone slope; associated with *Buddleja-Agave-Larrea-Psilos-trophe*; 17 May 1971. L. C. Higgins 4162 (BRY, WTSU).

Ericaceae

Arctostaphylos pringlei C. C. Parry, Pringles manzanita. Washington Co.: near the television relay tower at the summit of the Beaverdam Mountains; associated with *Quercus-Pinus-Juniperus*; limestone soil; 27 May 1966. L. C. Higgins 665, 3414 (BRY).

Euphorbiaceae

Eremocarpus setigerus (Hook.) Benth. Turkey mullein. Washington Co.: Beaverdam Mountains, near the Utah-Arizona border along U.S. hwy 91; sandy soil; associated with *Hymenoclea-Fran-seria-Larrea*; 29 November 1968. L. C. Higgins 1809 (BRY).

Euphorbia micromera Boiss. Washington Co.: Beaverdam Mountains, near the Utah-Arizona border along U.S. hwy 91; sandy soil; associated with *Hymenoclea-Larrea-Franseria*; 29 November 1968. L. C. Higgins 1802 (BRY).

Tragia ramosa Muell. Arg. Noseburn. Washington Co.: Beaverdam Mountains, near summit along U.S. hwy 91; gravelly wash bottom; *Juniperus-Cercocarpus-Purshia* community; 15 May 1966. L. C. Higgins 602 (BRY).

Gramineae

Leptochloa filiformis (Lam.) Beauv. Sprangle-top. Washington Co.: Beaverdam Mountains, 1 mile west of U.S. hwy 91 along the Jackson road; sandy soil; *Larrea-Prosopis-Coleogyne* community; 19 August 1966. L. C. Higgins 823 (BRY).

Schismus arabicus Nees. Arabian schismus. Washington Co.: Beaverdam Mountains, near the Utah-Arizona border along U.S. hwy 91; gravelly soil; *Larrea-Franseria-Yucca* community; 8 April 1966. L. C. Higgins 331 (BRY).

Onagraceae

Epilobium nevadense Munz, Nevada willow herb. Washington Co.: summit of the Beaverdam Mountains near the television relay tower; westfacing, rocky, limestone hillside; pinyon-juniper-oak association; 9 July 1966. L. C. Higgins 778 (BRY).

Umbelliferae

Lomatium megarrhizum (A Nels.) Mathias, Large-rooted lomatium. Emery Co.: San Raphael Swell, about 1 mile south of the San Raphael River Bridge; clay hillside; desert scrub and *Bouteloua gracilis* community; 30 April 1968. L. C. Higgins and J. Reveal 1268 (BRY, WTSU).

Verbenaceae

Aloysia wrightii (Gray) Heller, Oreganillo. Washington Co.: Beaverdam Mountains, about 5 miles west of Castle Cliffs along the road to Terry's Ranch; rocky limestone cliffs; associated with *Ferocactus-Coleogyne-Larrea*; 26 May 1966. L. C. Higgins 615 (BRY). Rare, only 4 to 5 shrubs were seen in the entire area.

LITERATURE CITED

- TIDESTROM, I. 1925. Flora of Utah and Nevada. Verlag Von J. Cramer.
WELSH, S. L., M. TRESHOW, AND G. MOORE. 1965. Common Utah Plants. Brigham Young University Press.